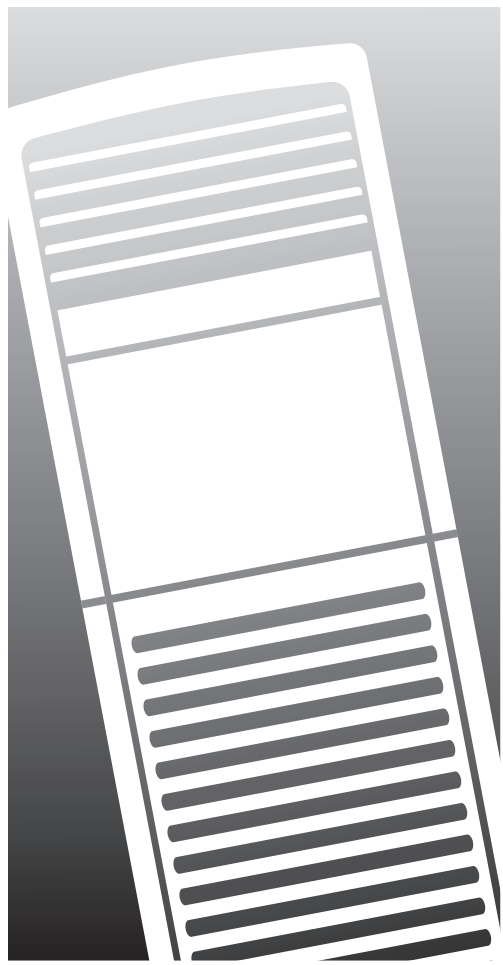
SAMSUNG

USER'S MANUAL

APH503QG
APH523QF
APH553QF
AP50Q1A
AP55Q1A
AP55Q1B

FLOOR STAND TYPE AIR CONDITIONER

(Cooling and Heating)



ⒺⒶ DB98-19122A(5)

Register your product at www.samsung.com/global/register

Safety Precautions

The following safety precautions must be taken when using your air conditioner.

WARNING

Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning. • This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

DURING OPERATION

- Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.
- Never spill any kind of liquid into the unit. Should this happen, unplug or main switch off the unit and contact an authorized service center.
- Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
- Do not place any obstacles in front of the unit.
- Do not spray liquid of any kind into the indoor unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.
- Make sure that the unit is correctly ventilated at all times:
  Do not place clothing or other materials over it.
- If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
- When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner. (If applicable)

DISPOSING OF THE UNIT

- Before throwing out the device, it is necessary to pull back the battery cells and get rid of them safely for recycling reasons.
- When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin, causing injury. Releasing refrigerant into the atmosphere also damages the environments.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.

OTHERS

- Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
- The appliance is not intended for use by young children or infirm persons without supervision: Young children should be supervised to ensure that they do not play with the appliance.
- Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

Contents

◆ ***PREPARING YOUR AIR CONDITIONER***

- ■ Safety Precautions 2
- ■ View of the Unit 4
- ■ Remote Control-Buttons 6
- ■ Getting Started 7
- ■ Inserting the Remote Control Batteries 8
- ■ Operating Preparation 8
- ■ Using the Control Panel on the Indoor Unit 8
- ■ Using the Remote Control 8

◆ ***OPERATING YOUR AIR CONDITIONER***

- ■ Cooling Your Room 9
- ■ Heating Your Room 10
- ■ Selecting the Automatic Operating Mode 11
- ■ Changing the Room Temperature Quickly 12
- ■ Operating to the Long Distance 13
- ■ Removing Excess Humidity 14
- ■ Airing Your Room 15
- ■ Adjusting the Air Flow Direction Vertically 16
- ■ Adjusting the Air Flow Direction Horizontally 16

◆ ***PROGRAMMING YOUR AIR CONDITIONER***

- ■ Setting the Off Timer 17
- ■ Other Function 18

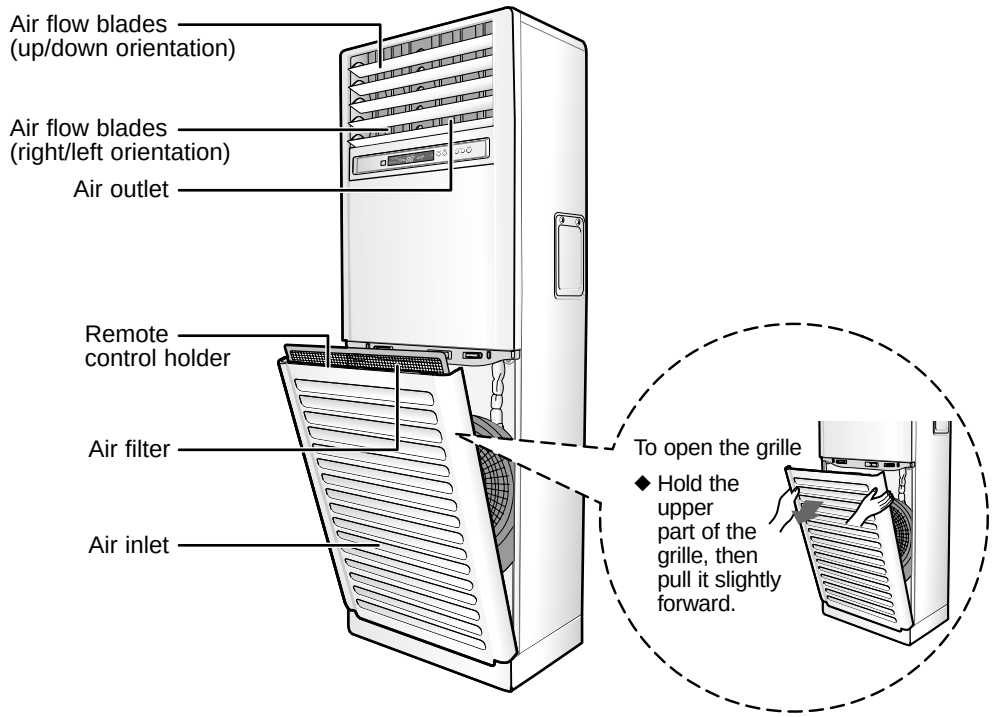
◆ ***RECOMMENDATIONS FOR USE***

- ■ Operating Recommendations 19
- ■ Temperature and Humidity Ranges 20
- ■ Cleaning Your Air Conditioner 21
- ■ Solving Common Problems 22

◆ ***TECHNICAL SPECIFICATIONS***

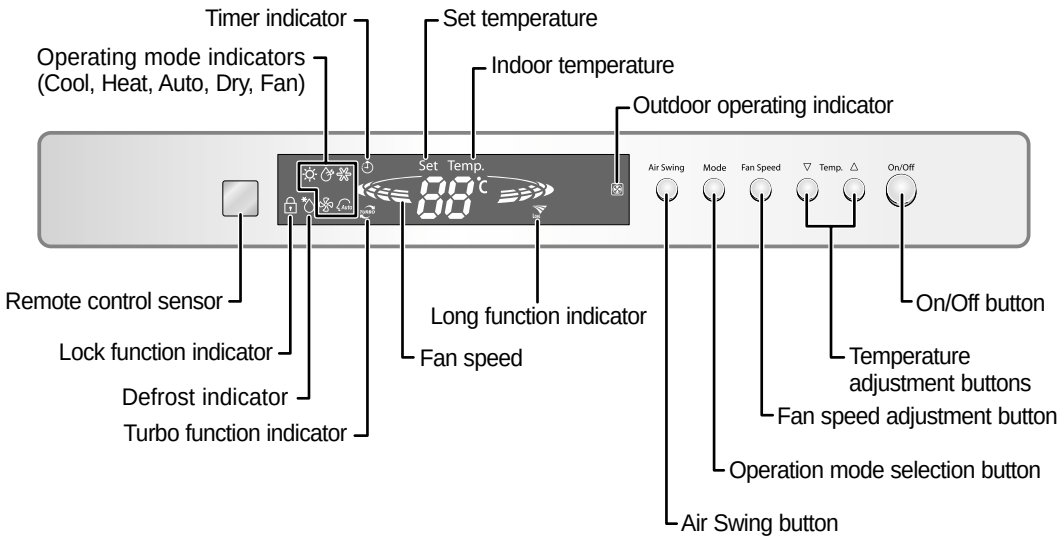
View of the Unit

Indoor Unit

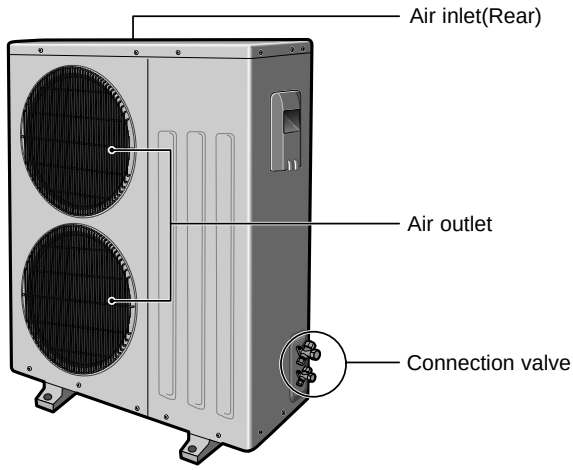


Control Panel

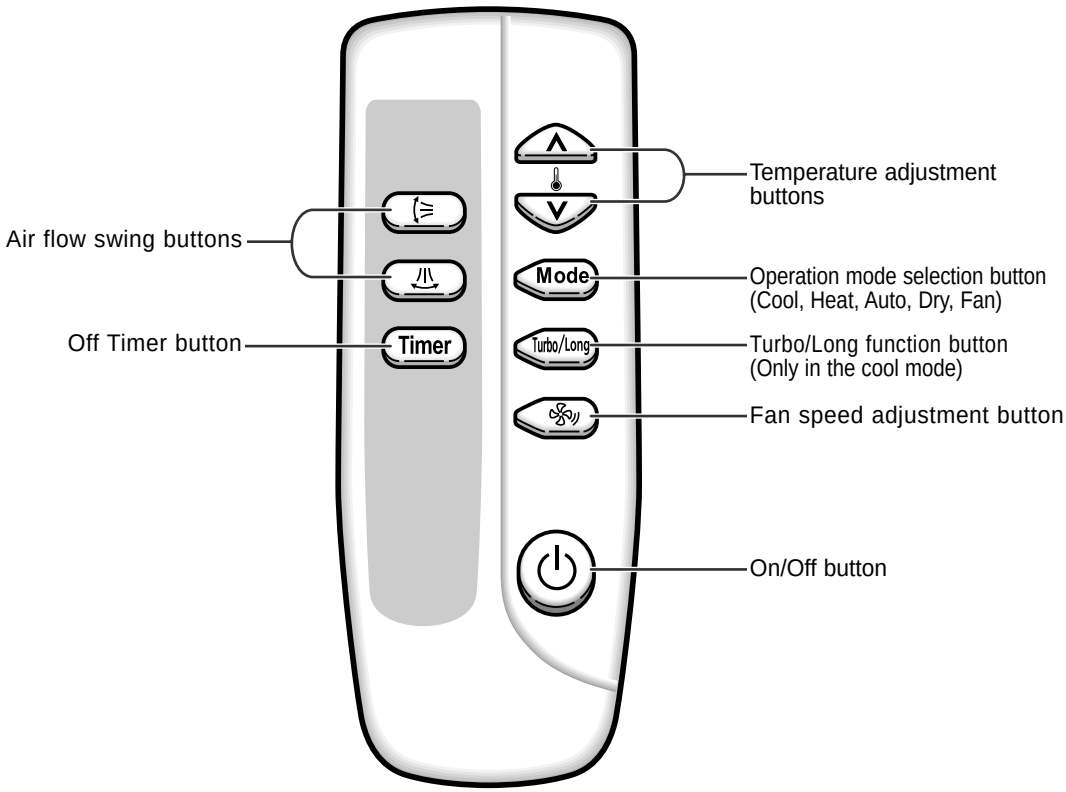
You can operate the air conditioner with the control panel when you do not wish to or cannot operate the air conditioner with the remote control.



Outdoor Unit



Remote Control - Buttons



Getting Started

You have just purchased a Floor stand type air conditioner and it has been installed by your installation specialist.

Your Owner's Instructions contain much valuable information on using your air conditioner. Please take the time to read them as they will help you take full advantage of unit's features.

The booklet is organized as follows.

- ***The following figures are shown on pages from 4 to 6:***
  - ***Indoor and outdoor units***
  - ***Remote control (buttons and display)***

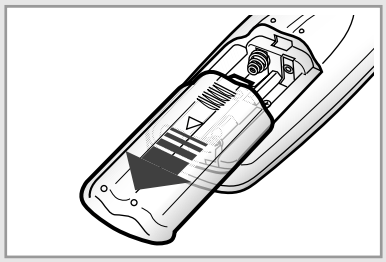
  They will help you find the buttons and understand the symbols displayed.
- ***In the manual, you will find a series of step-by-step procedures for each function available.***

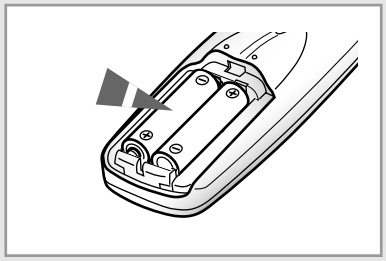
The illustrations in the step-by-step procedures use three different symbols:

PRESS	**PUSH**	**HOLD DOWN**

For the...	The illustrations are...
Remote control	In the upper part.
Unit itself	In the lower part.

Inserting the Remote Control Batteries





You must insert or replace the remote control batteries when :

- ***You purchase the air conditioner***
- ***The remote control does not work correctly***

Note

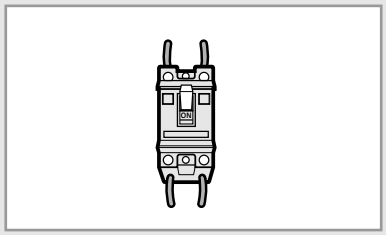
- Use two AAA, LR03 1.5V batteries.
- Do not use old batteries or different kinds of batteries together.
- Batteries may be completely discharged after 12 months, even if they have not actually been used.

1 Push the battery cover on the rear of the remote control with your thumb in the direction of the arrow and remove it.

2 Insert the two batteries, taking care to respect the polarities :
- + on the battery with + on the remote control.
- - on the battery with - on the remote control.

3 Close the cover by sliding it back until it clicks into place.

Operating Preparation



Look around the indoor and outdoor unit. Confirm if any obstacles that may prevent the air flow are present near the air conditioner.

1 Turn the power switch on.

IMPORTANT To operate the unit, the power switch is fitted to the wall must be set to ON.

Using the Control Panel on the Indoor Unit

You can operate with the indoor unit when you do not wish to or cannot operate the air conditioner with the remote control.

You can : Adapt the On/Off, Temperature, Fan Speed, Operation Mode and Air Swing settings to your specific requirements.

Example : Remote control is broken or lost.

Using the Remote Control

All air conditioner features except Lock function can be controlled from your seat by using the remote control.

You can : Adapt the Turbo, Long function and Fan Speed, Timer settings to your specific requirements.

Note You must operate the Turbo, Long function and Off Timer with the remote control.

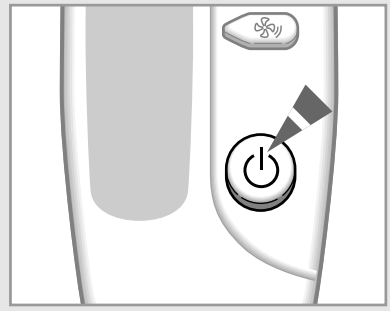
Cooling Your Room

You must select the Cool mode if you wish to adjust the :

- ***Cooling temperature***
- ***Fan speed when cooling***

1 If necessary, press the (On/Off) button.

Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.

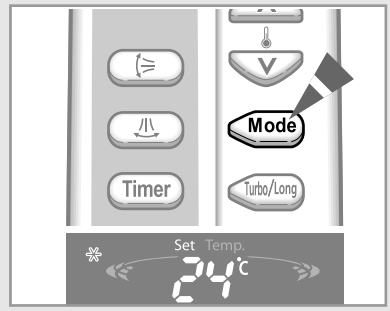


IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.

2 If the is not displayed on the control panel, press the Mode button on the remote control one or more times until it appears.

Result: ◆ The indoor unit beeps each time you press the Mode button.
◆ The air conditioner runs in the Cool mode.

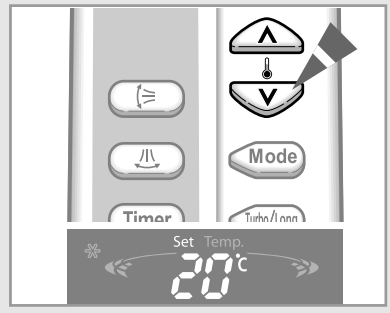
Note You can change modes at any time.



3 To adjust the temperature, press the buttons on the remote control or ▽Temp.△ buttons on the control panel one or more times until the required temperature is displayed. Possible temperatures are between 18°C and 30°C inclusive.

Result: ◆ Each time you press the buttons:
- The temperature is adjusted by 1°C.
- The indoor unit beeps.

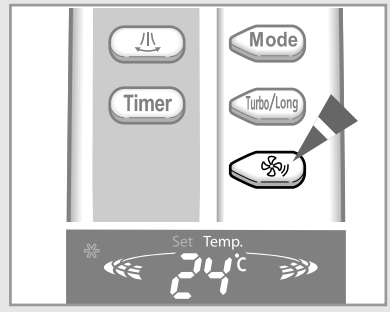
◆ The air conditioner starts cooling, provided that the room temperature is higher than the selected temperature.
◆ If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan is still operating.



4 Select the fan speed by pressing the button on the remote control or Fan Speed button one or more times until the required setting is displayed :

- Automatic(rotated : → →)
- Low
- High
- Turbo

Result: ◆ Each time you press the button, the indoor unit beeps.

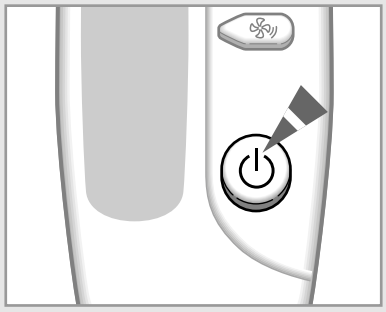


5 To control the direction of the air flow, refer to page 16.

Heating Your Room

You must select the Heat mode if you wish to adjust the :

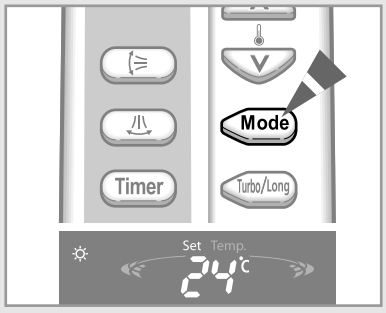
- ***Heating temperature***
- ***Fan speed when heating***



1 If necessary, press the (On/Off) button.

Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.

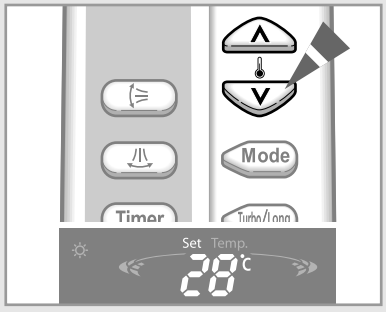
IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.



2 If the is not displayed on the control panel, press the Mode button on the remote control one or more times until it appears.

Result: ◆ The indoor unit beeps each time you press the Mode button.
◆ The air conditioner runs in the Heat mode.

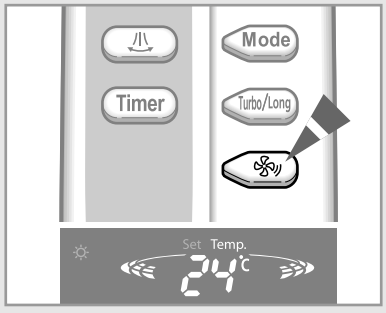
Note You can change modes at any time.



3 To adjust the temperature, press the buttons on the remote control or ▽ Temp. △ buttons on the control panel one or more times until the required temperature is displayed. Possible temperatures are between 16°C and 30°C inclusive.

Result: ◆ Each time you press the buttons:
- The temperature is adjusted by 1°C.
- The indoor unit beeps.

◆ The air conditioner starts heating, provided that the room temperature is lower than the selected temperature.
◆ For the first 3~5 minutes, the fan may not operate to prevent the cool air from running out of the indoor unit.
◆ If the room temperature reachs the set temperature, the air conditioner stops heating, but the fan is still operating.
◆ The Defrost indicator( ) appears when frost forms on the outdoor unit and disappears automatically after removing frost.



4 Select the fan speed by pressing the button on the remote control or Fan Speed button one or more times until the required setting is displayed :

- Automatic(rotated : → →)
- Low
- High

Result: ◆ Each time you press the button, the indoor unit beeps.

5 To control the direction of the air flow, refer to page 16.

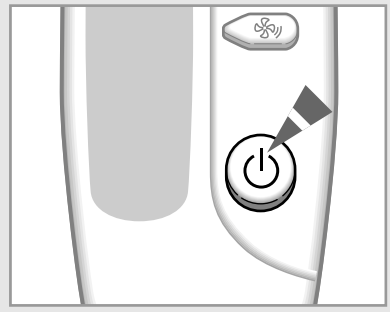
Note You can't control the airflow direction when the fan doesn't operate.

Selecting the Automatic Operating Mode

You can start the air conditioner in the Automatic mode.
In the Automatic mode, the temperature and the optimum fan speed is selected automatically.

1 If necessary, press the (On/Off) button.

Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.

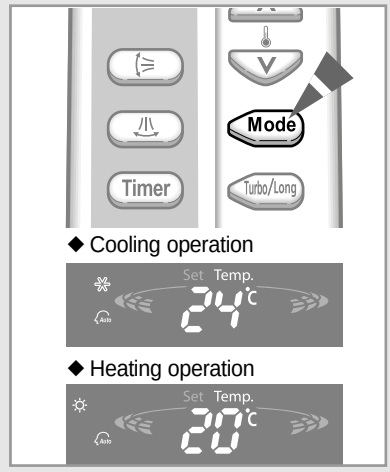


IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.

2 If the Auto is not displayed on the control panel, press the Mode button on the remote control one or more times until it appears.

Result: ◆ The indoor unit beeps each time you press the Mode button.
◆ The air conditioner runs in the Auto mode.

Note ◆ You can change modes at any time.
◆ If the indoor temperature is higher than 21°C, the air conditioner operates in the Cool mode. If the indoor temperature is lower than 21°C, the air conditioner operates in the Heat mode.



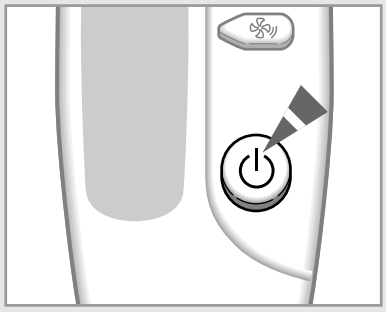
3 To control the direction of the air flow, refer to page 16.

Changing the Room Temperature Quickly

The Turbo function is used to Cool /Auto(cool) your room as quickly as possible.

Example : ***You have just come home and find that the room is very hot. You wish to cool it down as quickly as possible.***

The Turbo function operates for 30 minutes with the maximum setting before returning automatically to the mode and temperature previously selected.

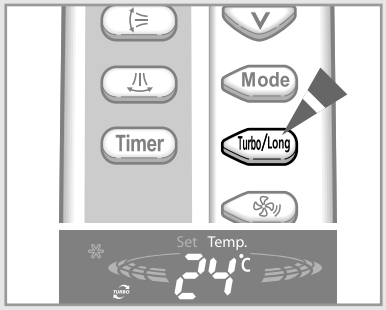


1 If necessary, press the (On/Off) button.

Result:
- ◆ The power indicator on the control panel comes on.
- ◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- ◆ Switched on
- ◆ Stopped

It will start up normally after three minutes.



2 Press the Turbo/Long button.

Result:
- ◆ The air conditioner cools the room as quickly as possible.
- ◆ The temperature and fan settings are adjusted automatically.
- ◆ After 30 minutes, the air conditioner is reset automatically to the previous mode, temperature and fan setting.

3 If you wish to stop the Turbo function before the end of 30-minute period, press the Turbo/Long button twice.

Result:
- ◆ The air conditioner is reset automatically to the previous mode, temperature and fan settings.
- ◆ You can't select the Turbo and Long function simultaneously.

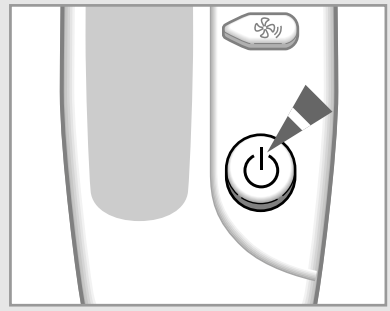
4 To control the direction of the air flow, refer to page 16.

Operating to the Long Distance

The Long function is used to Cool /Auto(cool) your room as far as possible. In the Long function, the up/down orientation of air flow and fan speed are selected automatically.

1 If necessary, press the (On/Off) button.

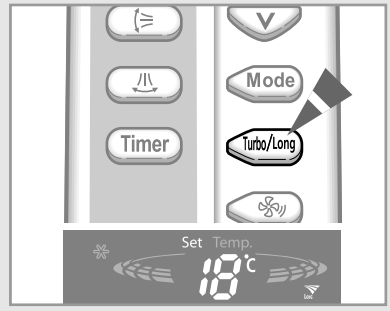
Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.



IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.

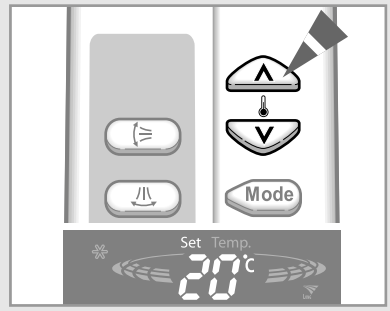
2 Press the Turbo/Long button twice.

Result: ◆ The air conditioner cools the room as far as possible.
◆ The fan settings are adjusted automatically.



3 To adjust the temperature, press the buttons one or more times until the required temperature is displayed. Possible temperatures are between 18°C and 30°C inclusive.

Result: ◆ Each time you press the buttons:
- The temperature is adjusted by 1°C.
- The indoor unit beeps.



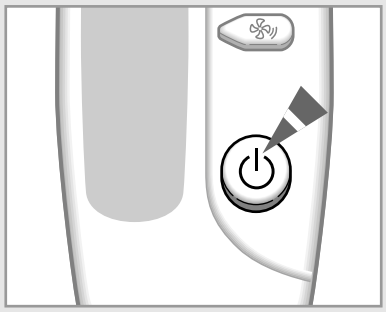
4 If you wish to stop the Long function, press the Turbo/Long button again.

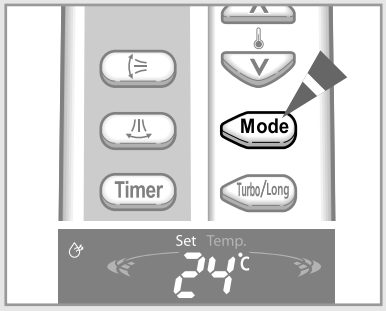
Result: ◆ The air conditioner is reset automatically to the previous mode, temperature and fan settings.

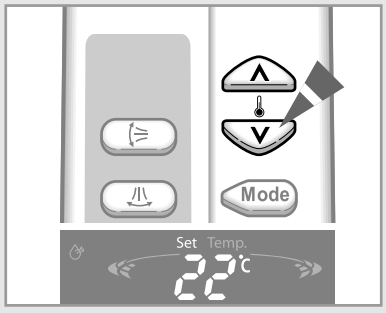
5 To control the direction of the air flow vertically, refer to page 16.

Note You can't control the airflow direction horizontally in the Long function.

Removing Excess Humidity







If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.

1 If necessary, press the (On/Off) button.

Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.

2 If the is not displayed on the control panel, press the Mode button on the remote control one or more times until it appears.

Result: ◆ The indoor unit beeps each time you press the Mode button.
◆ The air conditioner runs in the Dry mode.

Note You can change modes at any time.

3 To adjust the temperature, press the buttons one or more times until the required temperature is displayed. Possible temperatures are between 18°C and 30°C inclusive.

Result: ◆ Each time you press the buttons:
- The temperature is adjusted by 1°C.
- The indoor unit beeps.

◆ The air conditioner starts removing the excess humidity; the quantity of air is adjusted automatically.

4 The fan speed is selected automatically(: Automatic).

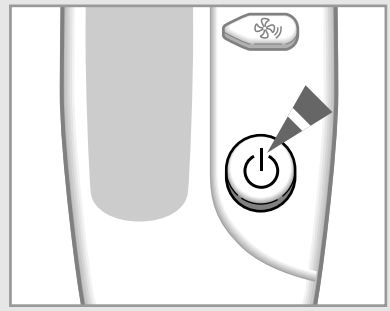
5 To control the direction of the air flow, refer to page 16.

Airing Your Room

If the atmosphere in your room is stale, you can air the room using the Fan feature.

1 If necessary, press the (On/Off) button.

Result: ◆ The power indicator on the control panel comes on.
◆ The indoor unit beeps.

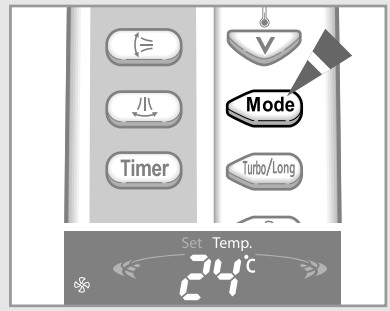


IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.

2 If the is not displayed on the control panel, press the Mode button on the remote control one or more times until it appears.

Result: ◆ The indoor unit beeps each time you press the Mode button.
◆ The air conditioner runs in the Fan mode.

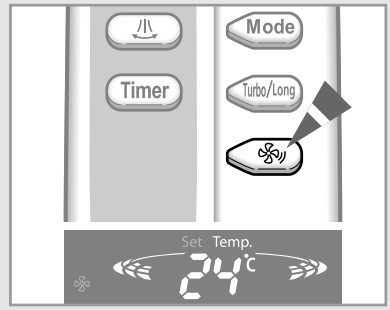
Note You can change modes at any time.



3 Select the fan speed by pressing the button one or more times until the required setting is displayed:

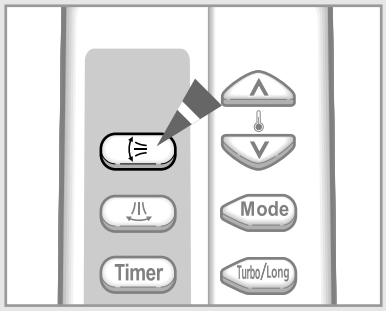
- Low
- High
- Turbo

Result: ◆ Each time you press the button, the indoor unit beeps.



4 To control the direction of the air flow, refer to page 16.

Adjusting the Air Flow Direction Vertically



Depending on the position of the indoor unit your room, you can adjust the position of the outer air flow blade on the upper part of the unit, thus increasing the efficiency of the air conditioner.

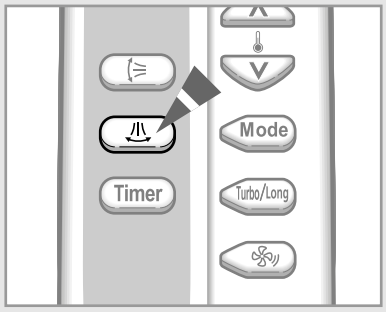
1 Press the ( ) button.

Result: ◆ The outer blade moves up and down.

RECOMMENDATION	When...	Adjust the blade to face...
	Cooling	Upwards.
	Heating	Downwards.

2 To stop the blade moving up and down, press the ( ) button again.

Adjusting the Air Flow Direction Horizontally



There are two sets of air flow blades. Just as the outer air flow blade can be adjusted vertically, the inner blade can be adjusted horizontally.

1 Press the ( ) button.

Result: ◆ The inner blade moves right and left.

2 To stop the blade moving right and left, press the ( ) button again.

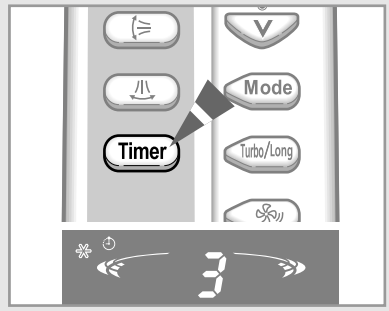
Note ◆ You can't control the airflow direction horizontally in the Long Function

◆ You can't control the airflow direction when the fan doesn't operate in the Heat mode.

Setting the Off Timer

The Off Timer enables you to switch off the air conditioner automatically after a given period of time. You can set the period of time from 1 to 8 hours. You can select the Off Timer only when the air conditioner is on.

To set the operating time, press the (Timer) button one or more times until the required time is displayed. Possible time is between 1 hour and 8 hours inclusive.

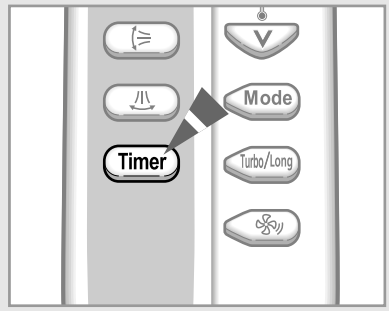


Result:
- ◆ After blinking of the timer indicator for 5 seconds, it will be changed to temperature setting.
- ◆ The air conditioner will switch off automatically after the set time and the Off Timer indicator disappears.

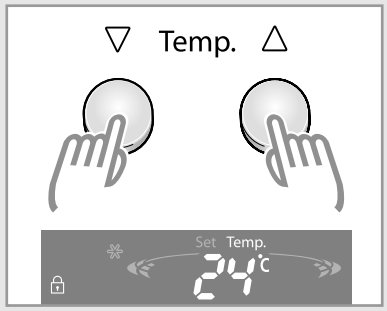
Note You can see or change the setting mode and/or the temperature by pressing the (Mode) button or the ∧ ∨ buttons after setting the Off Timer.

To Cancel the Off Timer

Press the (Timer) button one or more times until the Off Timer indicator disappears.



Other Function



You can use the Lock function on the control panel of the indoor unit.

1 Press the ▽ Temp. △ buttons simultaneously for 3 seconds.

Result: ◆ 🔒 indicates on the control panel.
◆ The control panel is locked.

Note You can use the remote control even if the control panel is locked.

2 To cancel the Lock function, press the ▽ Temp. △ buttons simultaneously for 3 seconds once again.

Operating Recommendations

Here are a few recommendations that you should follow when using your air conditioner.

Topic	Recommendation
Heating performances	The heat pump inside the air conditioner absorbs heat from outside air and brings it indoors. If the temperature of the outside air drops, the air conditioner will heat less.
Warm air circulation	The air conditioner circulates warm air to heat your room; as a result, some time will be required after starting the air conditioner to warm the entire room. If necessary, set the air conditioner on before you wish to use the room.
Frost	When outside temperatures are low and humidity is high, frost may form in the outdoor unit when heating is selected. If this happens: ◆ The heating operation is stopped. ◆ The Defrost( ) mode is triggered automatically for about 7 minutes. No intervention is required from you; after about 7 minutes, the air conditioner starts operating again normally.
High indoor and outdoor temperatures	If both the indoor and outdoor temperatures are high and you select the Heat mode, the outdoor unit's fan and compressor may stop at times. This is normal; simply wait until the air conditioner switches on again.
Power failure	If a power failure occurs when the air conditioner is operating, the unit is switched off. When the power returns, you must press the (On/Off) button to restart it.

Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges, within which the air conditioner can be used.

If the air conditioner is used at...	Then...
High temperature	The automatic protection feature may be triggered and the air conditioner stopped.
Low temperature	A water leakage or some other malfunction may happen if the heat exchanger freezes.
High humidity levels	Water may condense on and drip from the surface of the indoor unit if it is used for a long periods.

Mode	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	0°C to 24°C approx.	27°C or less.	-
Cooling	21°C to 54°C approx.	18°C to 32°C approx.	80% or less
Drying	18°C to 54°C approx.	18°C to 32°C approx.	-

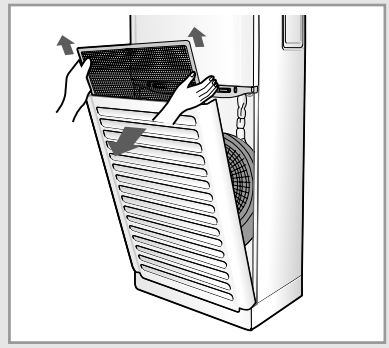
✳ ***If the outdoor temperature is as low as 0°C, the heating capacity drops up to 70~80%depending on the operation condition.***
If the cooling operation is used at over 33°C(indoor temperature), it does not cool at its full capacity.

Cleaning Your Air Conditioner

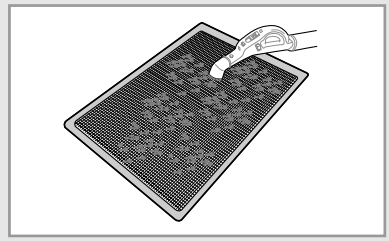
For the best use of your air conditioner, you must clean it every two weeks regularly to remove the dust that accumulates on the air filter.

IMPORTANT Before cleaning your air conditioner, ensure that you have switched off the breaker for the unit.

1 Open the front grille, then pull out the air filter.



2 Remove all dust on the air filter with a vacuum cleaner or brush.



3 When you have finished, insert the air filter into the original position and close the front grille.

4 Clean the unit with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).

Note If you have not used the air conditioner for a long period of time, set the fan going for 3 to 4 hours to dry the inside of the air conditioner thoroughly.

Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all	◆ Check that the breaker used for the air conditioner is switched on. ◆ Check that the indoor unit is turned on; if necessary press the (On/Off) button on the remote control. ◆ Check whether the Timer indicator on the indoor unit is switched on. If so: - Wait until the switch-on time is reached and the air conditioner starts up automatically. - Cancel the Timer (see page 17 for further details)
The air conditioner does not operate with the remote control	◆ Check that there are no obstacles between you and the indoor unit. ◆ Check the remote control batteries. ◆ Check that you are close enough to the indoor unit (7 metres / yards or less).
No beep is heard when you press the (On/Off) button on the remote control	◆ Check that you are pointing the remote control at the remote control sensor of the indoor unit. ◆ Replace the remote control batteries if necessary.
The air conditioner does not cool or heat	◆ Check that the correct operating mode has been selected (Cool, Auto, Heat). ◆ The room temperature may be too low or too high. ◆ Dust may be blocking the air filter guard; refer to page 21 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
The fan speed does not change when you press the button	◆ Check that the operating mode is set to Cool, Heat or Fan ; in the Auto, Turbo, Long and Dry mode, the fan speed is controlled automatically.
The air flow direction does not change when you press the or button	◆ Check that the air conditioner has been switched on; if necessary, press the (On/Off) button on the remote control.
The Timer is not correctly triggered	◆ Check that the timer has been programmed correctly; see page 17.
Odour is permeated in the room during air conditioning	◆ Air the room.

Technical Specifications

Model	Power Supply
APH503QG AP50Q1A	3N~, 380V, 50Hz
APH523QF APH553QF AP55Q1A AP55Q1B	3~, 220V, 60Hz

SAMSUNG ELECTRONICS

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